PATENT COOPERATION TREA'. From the 'INTERNATIONAL SEARCHING AUTHORITY To: MARK FARBER ALEXION PHARMACEUTICALS, INC. 352 KNOTTER DRIVE WRITTEN OPINION OF THE CHESHIRE, CT 06410 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below 106PCT International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US04/17219 28 May 2004 (28.05.2004) 02 June 2003 (02.06.2003) International Patent Classification (IPC) or both national classification and IPC IPC(7): A61K 39/395; CO7K 16/00; C12N 15/13 and US Cl.: 530/387.3; 424/133.1; 536/23.53; 435/69.6 Applicant 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis (b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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Form PCT/ISA/237 (cover sheet) (January 2004)

International application No.

PCT/US04/17219

E	Box No. I Basis of this opinion		
i.		regard to the language, this opinion has been established on the basis of the international application in the language in which filed, unless otherwise indicated under this item.	
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the ed invention, this opinion has been established on the basis of:	
	a.	type of material	
		a sequence listing	
		table(s) related to the sequence listing	
	b.	format of material	
		in written format	
	•	in computer readable form	
	c.	time of filing/furnishing	
		contained in international application as filed.	
		filed together with the international application in computer readable form.	
		furnished subsequently to this Authority for the purposes of search.	
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4.	A dditi	onal comments:	

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Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
	e questions whether the claimed invention a ustrially applicable have not been examined	opears to be novel, to involve an inventive step (to be non-obvious), or to be in respect of:					
	the entire international application						
$\boxtimes$	claims Nos. <u>Claims 2,3,,8,9,14,15,18-2</u>	0 were not examined because no CRF has been submitted					
because:							
	the said international application, or the said claim Nos relate to the following subject matter which does not require an international preliminary examination (specify):						
	the description, claims or drawings (indic meaningful opinion could be formed (spe	rate particular elements below) or said claims Nos are so unclear that no cify):					
	the claims, or said claims Nos. 2,3,8,9,1 opinion could be formed.  no international search report has been es	4,15,18-20 are so inadequately supported by the description that no meaningful tablished for said claims Nos					
	•	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the					
	A dininistrative Instructions in that: the written form	has not been furnished					
	alo William	does not comply with the standard					
	the computer readable form	has not been furnished does not comply with the standard					
		amino acid sequence listing, if in computer readable form only, do not comply for in Annex C-bis of the Administrative Instructions.					

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Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. Statement .							
Novelty (N)	Claims	5,16	YES				
		1,4,6,7,10-13,17	NO				
Inventive step (IS)	Claims	NONE	VEC				
inventive step (18)		1,4-6,7,10-13,16,17	YES NO				
		•					
Industrial applicability (IA)		1,4-7,10-13,16,17	YES				
	Claims	NONE	NO				
2. Citations and explanations:							
Please See Continuation Sheet							
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Form PCT/ISA/237 (Box No. V) (January 2004)

Supplemental Box

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In case the space in any of the preceding boxes is not sufficient.			
	V. 2. Citations and Explanations: Claims 1,4,6,7,10-13,17 lack novelty under PCT Article 33(2) as being anticipated by US Patent 6,491,916.		
	US Patent 6,491,916 discloses a "de-immunized" antiCD3 antibody where said antibody is de-immunized as per the definition of said term on page 5, first complete paragraph of the description (see abstract and column 15, last paragraph, and column 16, first paragraph). US Patent 6,491,916 discloses a nucleic acid encoding said antibody (see Example 3). Said antibody has deimmunized heavy and light chains (see column 16, first paragraph). US Patent 6,491,916 teaches expression vectors containing the aformentioned nucleic acids and use of said vectors to recombinantly produce said antibody (see Examples 4 and 5). US Patent 6,491,916 discloses pharmaceutical compositions containing said antibody (see column 18). US Patent 6,491,916 teaches administering said antibody (see column 18) and that said antibody can have a portion of a human IgG2 and portion of an IgG4 antibody (see column 16, last paragraph and column 17).		
	Claims 1,4-6,7,10-13,16,17 an inventive step under PCT Article 33(3) as being obvious over US Patent 6,491,916 in view of US Patent Application Publication 2003/0100741.		
	US Patent 6,491,916 discloses a "de-immunized" antiCD3 antibody where said antibody is de-immunized as per the definition of said term on page 5, first complete paragraph of the description (see abstract and column 15, last paragraph, and column 16, first		

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Claims 1, 4-7, 10-13, and 16-17 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry. laims 1,4,6,7,10-13,17 lack novelty under PCT Article 33(2) as being anticipated by US Patent 6,491,916.

US Patent 6,491,916 discloses a "de-immunized" antiCD3 antibody where said antibody is de-immunized as per the definition of said term on page 5, first complete paragraph of the description (see abstract and column 15, last paragraph, and column 16, first paragraph). US Patent 6,491,916 discloses a nucleic acid encoding said antibody (see Example 3). Said antibody has deimmunized heavy and light chains (see column 16, first paragraph). US Patent 6,491,916 teaches expression vectors containing the aformentioned nucleic acids and use of said vectors to recombinantly produce said antibody (see Examples 4 and 5). US Patent 6,491,916 discloses

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Claims 1,4-6,7,10-13,16,17 an inventive step under PCT Article 33(3) as being obvious over US Patent 6,491,916 in view of US Patent Application Publication 2003/0100741.

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